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(54) **TITANIUM ALLOY FOR GOLF CLUB HEAD**

(57) Abstract:

PROBLEM TO BE SOLVED: To form a golf club head from a titanium alloy having ≥ 250 hardness Hv and $\geq 12,000 \text{ kgf/mm}^2$ Young's modulus in a plate thickness direction and excellent in rebound characteristic.

SOLUTION: This titanium alloy has a composition containing zirconium and oxygen by the amounts in the

ranges satisfying $\geq 1.0\% \text{ Zr}$, $\text{Zr} + 250 \times 2^5(\%)$, and $3 \times \text{Zr} + 220 \times \text{O}_2 286(\%)$, further containing 21wt.%, in total, of one or ≥ 2 elements selected from the group consisting of aluminum, tin, iron, copper, and chromium, and having the balance titanium with inevitable impurities.

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